

deoxyribonucleic acid (DNA), ribonucleic acid (RNA), amino acids, proteins, antibodies, ligands, haptens, carbohydrate receptors or complexing agents, lipid receptors or complexing agents, protein receptors or complexing agents, chelators, encapsulating vehicles short- or long-chain aliphatic or aromatic hydrocarbons, aldehydes, ketones, alcohols, esters, amides, amines, nitriles, and azides.

62 (New). The radiosensitizer agent of Claim 10 wherein said halogenated xanthene also is an imaging contrast agent.

63 (New). The radiosensitizer agent of Claim 10 wherein said halogenated xanthene is encapsulated in a delivery vehicle.

64 (New). The radiosensitizer agent of Claim 51, wherein said halogenated xanthene comprises Rose Bengal.

65 (New). The radiosensitizer agent of Claim 51 wherein said halogenated xanthene includes as a functional derivative at least one targeting moiety selected from the group consisting of deoxyribonucleic acid (DNA), ribonucleic acid (RNA), amino acids, proteins, antibodies, ligands, haptens, carbohydrate receptors or complexing agents, lipid receptors or complexing agents, protein receptors or complexing agents, chelators, encapsulating vehicles short- or long-chain aliphatic or aromatic hydrocarbons, aldehydes, ketones, alcohols, esters, amides, amines, nitriles, and azides.

66 (New). The radiosensitizer agent of Claim 51 wherein said halogenated xanthene also is an imaging contrast agent.